

LIST OF SPIDERS TAKEN IN CHAMPAIGN COUNTY,
ILLINOIS, DURING THE FALL AND WINTER
OF 1944-45¹

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The spiders listed in this paper were taken in connection with the author's thesis problem² concerning the habitats of insects in their hibernating state. The actual territory studied lay within an approximate eleven-mile radius of Urbana, Illinois, and included as stations only the six communities of Bondville, Champaign, Mahomet, Mayview, St. Joseph, and Urbana. The spiders were not included in the thesis. A few of them, for which no habitat notes are given, were taken in the early fall by sweeping. The majority were taken with the use of a Jacot³ apparatus, a modification of that originally proposed by Berlese. Any type of litter, such as river debris or fallen leaves, was collected, bagged, and brought back to the laboratory where it was placed in the apparatus. This essentially consisted of a large funnel of sheet steel or copper with a sieve at the bottom and a 300 watt bulb suspended within an inch over the sample. The principle involved was that of driving the specimens downward by application of light, heat and desiccation. At the base of the funnel a beaker of 70 per cent alcohol was placed to catch the specimens as they fell through the sieve. A sample was left in the apparatus for at least 24 hours.

The spiders were later sorted out and sent to Dr. W. J. Gertsch, of the American Museum of Natural History, to whom I am greatly indebted for identifying the specimens. The spiders are all in the American Museum of Natural History.

Alphabetical list of spiders taken in Champaign County, Illinois, during the fall and winter of 1944-45:

¹ Contribution No. 261 from the Entomology Department of the University of Illinois, Urbana, Illinois.

² "Insect Hibernation Studies in Champaign County, Illinois, During the Winter of 1944-45." Unpublished manuscript in the library of the University of Illinois.

³ Jacot, A. P., 1936. Soil structure and soil biology, *Ecology*, 17: 359-379.

Acanthepeira stellata Walckenaer. Champaign, Oct. 15, 1944, 3 im.

Agelenopsis pennsylvanicus Koch. Bondville, Oct. 29, 1944, 6 ♀.

Aranea foliata Fourcory. Bondville, Oct. 29, 1944, 2 ♂.

Argiope trifascia Forskal. Champaign, Oct. 15, 1944, 2 ♀.

Ceraticelus sp. Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♀.

Cicurina sp. Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 im.

Cicurina arcuata Keyserling. Champaign, Oct. 21, 1945, 1 ♀; Urbana, Oct. 22, 1944, 1 ♂, 1 im.; Mahomet, Nov. 20, 1944, 1 ♀; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 1 ♀.

Clubiona sp. Champaign, Oct. 15, 1944, 1 im.; St. Joseph, Dec. 24, 1944, 1 im.; Mahomet, Dec. 31, 1944, 1 jur.; Champaign, Jan. 21, 1945, debris under pine tree, 1 im.; Urbana, Feb. 7, 1945, loose leaves with some underlying unfrozen soil near building, 1 im.; Mahomet, March 4, 1945, litter from forest floor of flood plain, 1 im. ♀.

Clubiona abboti Koch. Champaign, February 5, debris from under small pine, 3 jur.; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 1 ♀, 1 ♂, 13 im.

Clubiona pallens Hentz. Champaign, Jan. 21, 1945, debris from the base of a cedar tree, 1 im.

Coras lamellosus Keyserling. Mahomet, Nov. 20, 1944, 1 ♂.

Cornicularia sp. Urbana, Feb. 25, 1945, loose leaves from sheltered hollow on ground, 1 ♀.

Dictyna sp. St. Joseph, Dec. 24, 1944, 1 jur.

Dictyna bicornis Emerton. Urbana, Jan. 25, 1945, loose leaves and warm damp soil near building, 5 im.; Urbana, Feb. 6, 1945, loose leaves near building, 4 im.

Dictyna foliacea Hentz. Mahomet, Dec. 31, 1944, leaves under fallen tree trunk, 2 im. ♀; Urbana, Feb. 18, 1945, leaves and loose frozen soil from forest floor where there was little protection, 1 im. ♂; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 2 im. ♂; Mahomet, March 4, 1945, litter from forest floor of flood plain, 1 im. ♀.

Dictyna frondea Emerton. St. Joseph, Dec. 24, 1944, under paper in rubbish heap, 1 jur.; Champaign, Jan. 21, 1945, debris at the base of a cedar tree, 1 im.; Champaign, Feb. 5, 1945, debris from under small pine in nursery, 3 im.

Dictyna longispina Emerton. St. Joseph, Dec. 24, 1944, flood plain debris, 1 im. ♂, 1 jur.; Jan. 25, 1945, loose leaves and warm damp soil near building, 1 im. ♀; Urbana, Feb. 6, 1945, loose leaves near building, 1 ♂, 1 ♀, 2 im.; Urbana, Feb. 7, 1945, loose leaves with some underlying unfrozen soil near building, 1 ♀, 14 im.; Urbana, Feb. 18, 1945, river debris taken from base of tree near water, 1 im. ♀.

Dolomedes sp. Bondville, Oct. 29, 1945, 1 im.

Dolomedes tenebrosus Hentz. Champaign, Oct. 21, 1944, 1 im. ♀.

Drassyllus sp. Bondville, Oct. 29, 1944, 1 im.; Champaign, Jan. 21, 1945, debris under pine tree, 1 im.; Urbana, Feb. 25, 1945, broken pieces of old log, 7 im.; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 2 im.

Drassyllus virginianus Chamberlin. Bondville, Oct. 29, 1944, 1 ♀.

Eperigone sp. Mahomet, March 4, 1945, litter from forest floor of flood plain, 1 im.

Eperigone maculata Banks. Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♂.

Eperigone trilobata Emerton. Urbana, Jan. 25, loose leaves and warm damp soil near building, 1 ♂, 1 ♀, 2 jur.

Eridantes erigonoides Emerton. Champaign, Jan. 21, 1945, debris under pine tree, 1 ♂; Urbana, Feb. 6, 1945, loose leaves near building, 1 ♀; St. Joseph, Feb. 11, 1945, loose leaves at base of willow tree, 1 ♂; Urbana, Feb. 25, 1945, broken pieces of old log, 1 ♀.

Erigone blaesae Crosby & Bishop. Urbana, Feb. 7, 1945, loose leaves with some underlying unfrozen soil near building, 1 ♂.

Grammonota sp. Champaign, Jan. 21, 1945, debris at the base of a cedar tree, 1 im. ♂.

Habrocestum pulex Hentz. Urbana, Feb. 25, 1945, broken pieces of old log, 2 im.

Haplodrassus sp. St. Joseph, Dec. 24, 1944, 1 im.; Jan. 21, 1945, debris under pine tree, 2 im.

Hytia bina Hentz. Urbana, Feb. 18, 1945, leaves and debris from eroded area along brook, 1 im. ♀.

Islandiana longisetosa Emerton. Mahomet, Dec. 21, 1944, interior of gum tree hollow at base; Champaign, Jan. 21, 1945, interior of gum tree hollow at base, 1 ♂; Urbana, Feb. 14, 1945, loose leaves and some underlying damp soil near building, 1 ♂, 1 ♀; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 1 ♀.

Lycosa avida Walckenaer. Champaign, Oct. 21, 1944, 2 im.; Urbana, Jan. 25, 1945, loose leaves and warm damp soil near building, 2 im.; Urbana, Feb. 6, 1945, loose leaves near building, 2 im.; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 2 im.; Mahomet, March 4, 1945, litter from forest floor of flood plain, 1 im.

Memetus sp. Bondville, Oct. 29, 1944, 1 im.

Micaria aurata Hentz. Urbana, Feb. 18, 1945, leaves and debris from eroded area along brook, 1 im. ♀.

Microneta sp. Mahomet, Dec. 31, 1945, 1 im.; Urbana, Feb. 6, 1945, loose leaves near building, 2 jur.; Urbana, Feb. 7, 1945, loose leaves with some underlying unfrozen soil near building, 2 im.; Urbana, Feb. 14, 1945, loose leaves and some underlying damp soil near building, 2 ♀, 3 im., 1 jur.; Urbana, Jan. 25, 1945, loose leaves and warm damp soil near building, 5 im.; Mahomet, March 4, 1945, hole in base of sycamore tree, 1 im. ♂; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♀.

Microneta cornupalpis Emerton. Champaign, Jan. 21, 1945, 1 ♀; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 2 ♂; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♂.

Neonnelli sp., Peckham. Champaign, Feb. 5, 1945, debris from under small pine, 2 subadult ♂'s.

Oxyptila sp. Urbana, Feb. 18, 1945, leaves and loose frozen soil from forest floor where there was little protection, 1 im. ♀; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 im. ♂, 1 im. ♀.

Pardosa sp. Urbana, Oct. 22, 1944, 2 im.; Bondville, Oct. 29, 1944, 3 im.; Urbana, Feb. 7, 1945, loose leaves with some under-

lying unfrozen soil near building, 1 im.; Urbana, Feb. 14, 1945, loose leaves and some underlying damp soil near building, 1 im.

Phidippus audax Hentz. Bondville, Oct. 29, 1944, 1 im. ♂.

Philodromus sp. Mahomet, Dec. 31, 1944, interior of gum tree hollow at base, 1 im. ♀; Champaign, Jan. 21, 1945, debris under pine tree, 1 im.; Champaign, Jan. 21, 1945, debris from the base of a cedar tree, 1 im. ♀; Champaign, Feb. 5, 1945, debris from under small pine, 1 im.; Urbana, Feb. 6, 1945, loose leaves near building, 1 im.; Urbana, Feb. 18, 1945, river debris taken from base of tree near water, 1 im. ♀.

Phrurotimpus borealis Banks. Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♀.

Phrurolithus redemptus Gertsch. Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 ♂, 2 ♀.

Pirata sp. Mahomet, Nov. 20, 1944, 1 im.; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 2 im.; Mahomet, March 4, 1945, litter from forest floor of flood plain, 2 im.

Pisaurina vira Walckenaer. Bondville, Oct. 29, 1944, 1 im.

Sergiolus sp. St. Joseph, Dec. 24, 1944, flood plain debris, 1 im. ♀; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 1 im.; Mahomet, March 4, 1945, loose dirt with a few leaves from open ground under sycamore, 1 im. ♂.

Stemonyphantes lineatus Linn., Bondville, Oct. 29, 1944, 1 ♀.

Tegenaria sp., Urbana, Feb. 6, 1945, loose leaves near building, 2 jur.

Tennesseelium formicum Emerton. Mahomet, Dec. 31, 1944, debris under snow, 1 im.; Champaign, Feb. 4, 1945, loose leaves, 1 im. ♂, 1 im. ♀; Urbana, Feb. 7, 1945, loose leaves with some underlying unfrozen soil near building, 2 im.

Tetragnatha laboriosa Hentz. Bondville, Oct. 29, 1944, 5 im.

Theridion sp. St. Joseph, Dec. 24, 1944, 16 im.; Mahomet, Dec. 31, 1944, bird's nest, 1 jur.

Wala plamarum Hentz. Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 1 im. ♂.

Xysticus ferox Hentz. Champaign, Oct. 21, 1944, 1 im.; Champaign, Jan. 21, 1945, debris under pine tree, 2 im.; Urbana, Feb. 25, 1945, loose leaves from sheltered hollow in ground, 2 im.